

MAR 9 1953

3/6/53
Sanibel, Florida

To: G. W. Eddy
From: A.H. Baumhover
Subject: Weekly Report

Egg Mass Collections

Pen	Date	2/28		3/1		2		3		4		5		6		Totals	
		F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
Knip		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bush		0	0	1	1	0	2	0	0	1	0	0	0	0	0	2	3
Eddy		12	3	7	1	4	2	4	2	1	0	1	0	3	5	32	13
Iona		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Pine		1	0	0	0	1	1	0	0	0	0	0	0	2	0	4	1

Fly Trap Collections

2 "wild" screw-worms in Junction Trap and 1 of same in Ft. Myers Trap. Additional traps have been operating east of Placida and on Buck Key for the past 2 weeks but the screw-worm catches have been negative.

Flies Released (sterile males)

Tuesday--5140; Friday--3260.

Full-grown larvae allowed to burrow into the soil February 13, 1953 emerged as adults from 14 to 17 days after pupation. Except for the first 5 days of the pupal period when the highs for the day usually ranged between 65 and 70 degrees F., air temperature, the highs for the pupal period ranged between 75 and 80 degrees F. air temperature.

Since February 6, 1953, the controls kept from each release have shown approximately 50% mortality 7 days after release.

cc: E.F. Knipling
R.C. Bushland

Signed H. Baumhover

cc: E.F. Knippling
R.C. Bushland

Since February 6, 1953, the controls kept from each release have shown approximately 50% mortality 7 days after release.

Between 75 and 80 degrees F. air temperature. The pupal period ranged between 65 and 70 degrees F. Except for the first 5 days of the pupal period when the 13, 1953 emerged as adults from 14 to 17 days after pupation. Full-grown larvae allowed to burrow into the soil February

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Fly Trap Collections

Pen	Date	2/28		3/1		2		3		4		5		6		Totals	
		F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
Knip		00	00	00	00	00	00	00	00	00	00	00	00	00	00	0	0
Bush		00	00	11	02	00	00	10	10	00	00	00	00	00	00	2	3
Eddy		12	3	7	4	4	2	1	1	1	1	1	3	3	3	32	13
Iona		00	00	00	00	00	00	00	00	00	00	00	00	00	00	0	0
Tower		00	00	00	00	00	00	00	00	00	00	00	03	03	0	0	3
Pine		10	00	00	11	00	00	00	00	00	00	00	20	20	4	1	1

Box Mass Collections

Subject: Weekly Report

From: A.H. Baumhover

To: G. W. Eddy

Sanibel, Florida 3/6/53

Mar 8 1953

MAR 16 1959

3/14/53-Sanibel, Florida

To: G.W. Eddy

From: A.H. Baumhover

Subject: Weekly Report

Egg Mass Collections

Pen	Date	3/7		8		9		10		11		12		13		Totals	
		F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
Knip		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bush		0	0	1	0	0	3	0	0	1	1	0	0	0	0	2	4
Eddy		2	2	7	7	5	4	0	0	12	0	1	4	1	1	28	18
Iona		0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Tower		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pine		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2

Fly Trap Collections

"Wild" screw-worms: 1--Ft. Myers; 2--Buck Key.

One goat is being staked on Buck Key. The first day's exposure yielded 3 fertile egg masses.

Four of the square fly traps are being operated $\frac{1}{4}$ mile from the Captiva (Eddy) pen with (1) 110 normal males, (2) 110 normal females, (3) 55 normal females plus 55 normal males, and (4) no screw-worms. The first weeks operation has resulted in a collection of only a few miscellaneous wasps, mosquitos, and probably sarcophagids.

A recent exposure of mature screw-worm larvae from goat wounds to natural soil conditions resulted in a pupal period of 12 plus days (the flies have just begun to emerge.)

cc: E.F. Knipling
R.C. Bushland

3/14/53-Sandbel, Florida

To: G.W. Eddy
 From: A.H. Bannover
 Subject: Weekly Report

Pen	Date	Fly Trap Collections										Totals
		3/7	8	9	10	11	12	13	14	15	16	
Pen	3/7	0	0	0	0	0	0	0	0	0	0	0
Knip	3/7	0	0	0	0	0	0	0	0	0	0	0
Bush	3/7	0	0	0	0	0	0	0	0	0	0	0
Eddy	3/7	2	7	5	4	0	0	0	0	0	0	18
Town	3/7	0	0	0	0	0	0	0	0	0	0	0
Pin	3/7	0	0	0	0	0	0	0	0	0	0	0

Fly Trap Collections

"Wild" screw-worms: 1--P. Myers; 2--Buck Key.
 One goat is being staked on Buck Key. The first day's exposure yielded 3 fertile egg masses.

Four of the square fly traps are being operated 1/2 mile from the Captive (Eddy) pen with (1) 110 normal males, (2) 110 normal females, (3) 55 normal females plus 55 normal males, and (4) no screw-worms. The first weeks operation has resulted in a collection of only a few *Musca domestica* larvae, mosquitoes, and probably *Culex*.

A recent exposure of mature screw-worm larvae from goat wounds to natural soil conditions resulted in a pupal period of 12 plus days (the flies have just begun to emerge).

cc: E.F. Knippling
 R.C. Bushland

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MAR 27 1953

3/23/53-Sanibel, Florida

To: G.W. Eddy

From: A.H. Baumhover

Subject: Weekly Report

Egg Mass Collections

<u>Pen</u>	<u>Date</u>	3/14		15		16		17		18		19		20		21		22		Totals	
		F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
Knip		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bush		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Eddy		3	3	9	4	7	0	3	0	4	2	14	2	3	0	13	1	12	1	68	13
Iona		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Tower, Pine--none																					

Fly Trap Collections

1 "wild" screw-worm in Junction trap--rest negative except Buck Key, Safety Harbor, and Placida which were not examined as yet.

cc: E.F. Knipling
R.C. Bushland

MAP 27 1953

3/23/53-Sanibel, Florida

To: G.W. Kaddy

From: A.H. Bannhove

Subject: Weekly Report

Net Mass Collections

Pen	Date	3/14	15	16	17	18	19	20	21	22	Totals
Knip		0	0	0	0	0	0	0	0	0	0
Bush		0	0	0	0	0	0	0	0	0	0
Bdy		3	3	4	7	0	3	4	2	14	68
ions		0	0	1	0	0	0	0	0	0	1
Tower, Pins--none		0	0	0	0	0	0	0	0	0	0

Fly Trap Collections

1 "wild" screw-worm in Junction trap--rest negative except
Back Key, Safety Harbor, and Placida which were not examined
as yet.

cc: R.V. Knippling

R.C. Bannhove

APR 1 - 1953

3/28/53--Sanibel, Florida

To: G.W. Eddy

From: A.H. Baumhover

Subject: Weekly Report

Egg Mass Collections

Pen	Date	3/23		24		25		26		27		Totals	
		F	S	F	S	F	S	F	S	F	S	F	S
Knip		0	0	0	0	0	0	0	0	0	0	0	0
Bush		0	0	2	0	0	0	0	0	1	0	3	0
Eddy		8	1	6	0	2	0	7	1	3	0	26	2
Iona		0	0	2	0	0	0	0	0	0	0	2	0
Tower, Pine--	none												

Fly Trap Collections

1 "wild" screw-worm in each--Iona, Safety Harbor, and Buck Key.

On March 24 1400 each sterile males, normal males, and normal females (all radioactive) were released on Sanibel. Following is a tabulation of the initial mortality in the shipment and mortality at 3 days;

	No. dead upon release (from 1400)	Percent mortality at 3 days (excluding initial mortality)
Sterile males	21	1.0
Normal males	123	9.0
Normal females	207	35.0

cc: E.F. Knipling
R.C. Bushland

APR 1 - 1953

3\23\53--Sambel, Florida

To: G.W. Hady

From: A.H. Baumhauer

Subject: Weekly Report

Per Mass Collections

Per Date	3\23	24	25	26	27	Totals
Knip	0	0	0	0	0	0
Bush	0	0	0	0	1	0
Hady	8	0	0	1	0	9
Long	0	0	0	0	0	0
Tower, Pine--none	0	0	0	0	0	0

Fly Trap Collections

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in the shipment and mortality at 3 days:

	No. dead upon release (from 1400)	Percent mortality at 3 days (excluding initial mortality)
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Normal females	207	35.0

cc: R.F. Knippling
R.C. Bushland